No.



200400250

<u> 4HIR UNIHED SIMHES OBANIERIOA</u>

Seminis Hegetable Seeds, Inc.

DICCAS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) APPLICATE TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC PLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN-ARCUBULG REPOSITORY AS PROVIDED BY ${
m LAW}$, THE IT TO EXCLUDE OTHERS FROM SELLING THE VARIETY OF OFFERING IT FOR SALE, OR REPRODUCING IT, OR ING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE IRPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT y the Plant Variety Protection Act. (84 stat. 1542, as amended, 7 u.s.c. 2321 et seq.)

LETTUCE

'Pacheco'

In Jestimon Murrent, I have hereunto set my hand and caused the seal of the Hant Anxiety. Frotestion Office to be affixed at the City of Washington, D.C. this eleventh day of December, in the year two thousand and six.

Plant Variety Protection Offic Agricultural Marketing Servi

CAPACITY OR TITLE

CAPACITY OR TITLE

IP Specialist

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

- 18a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

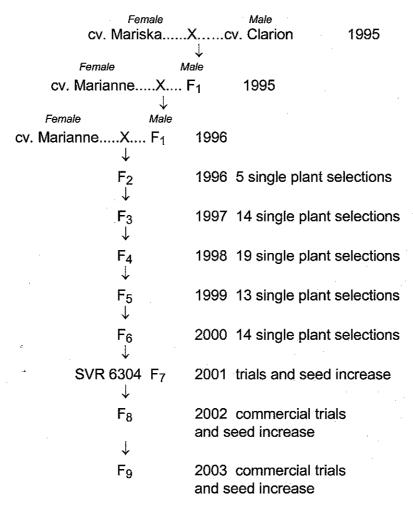
ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete.

Exhibit A. Origin and Breeding History of Lettuce SVR 6304

Pacheco

Pedigree of SVR 6304

PAD 9/2/06



SVR 6304 originated in 1995 with the cross cv. Mariska by cv. Clarion. Subsequently, two F_1 backcrosses were made to cv. Marianne in 1995 and 1996, respectively. Single plant selections were made in the following years in the areas of intended commercialization. By F_6 a group of 14 plants was judged uniform and bulked for trialing and seed increase. An F_7 mass was trialed during 2001. Commercial trials and seed increases were conducted in 2002 and 2003.

The breeding work was carried out by Dr. Ron van der Laan at the Seminis Vegetable Seed's Research Station at Nîmes, France. Replicated field trials were initially conducted in Europe and later in areas of California and Western Arizona (2002 and 2003).

The breeding method employed was pedigree selection, using both single plant selection and mass selection practices. The selection criteria for SVR 6304 were to establish a cultivar with increased uniformity, improved heading ability, increased plant size and head weight, and resistance to California pathotypes I, IIa, IIb, III, IV, and V of downy mildew (DM18 gene), when compared to the most similar variety, cv. Margarita.

In trials of SVR 6304 during the last four years covering generations F_9 to F_{12} , we have seen neither genetic variants nor off-types in more than 6,500 plants, indicating that this variety is genetically uniform and stable.

200400250 Pacheco RAD 9/2/06

Exhibit B. Novelty Statement of Lettuce SVR 6304

SVR 6304 is described as a dark green butterhead lettuce adapted to the production areas of California and Western Arizona. Its optimum sowing periods are from 20 September to 15 December in Western Arizona and Southern California, from 7 November to 10 December in the San Joaquin Valley of California, and from 1 January to 1 September in the coastal areas of California. SVR 6304 was selected for improved uniformity and performance, and increased plant size and head weight, with a dark green color, and resistance to downy mildew, compared to the currently commercial cultivars grown during these production periods.

Phenotypically, SVR 6304 is distinct from its most similar commercial cultivar, cv. Margarita. In field tests in 2002 and 2003, SVR 6304 was larger in size (plant diameter: 36.2 cm vs. 33.5 cm and head diameter: 17.6 cm vs. 15.7 cm) and heavier in weight (542 g vs. 484 g)than cv. Margarita (Table 1). Plants of SVR 6304 were resistant to California pathotypes I, IIa, IIb, III, IV, and V of downy mildew, while cv. Margarita was not. Leaf color for SVR 6304 was identical to that of cv. Margarita (RHC color chart 146A).

The data presented here are statistically different at the 95% confidence level, exhibiting a range of means for plant diameter from 36.07 to 36.23 for SVR 6304 and from 33.32 to 33.53 for cv. Margarita, of means for head diameter from 17.47 to 17.63 for SVR 6304 and from 15.61 to 15.80 for cv. Margarita and of means for head weight from 537.97 to 545.03 for SVR 6304 and from 480.11 to 487.39 for cv. Margarita, using the 0.95 probability of generating confidence intervals (CI) that contains the means.

SVR 6304 contains the *DM 18 gene*, whereas Margarita does not.

Revised: 21-Aug-06

Pacheco

Table 1. Evaluation of cv. SVR-6304 and the most similar cultivar, cv. Margarita, for several important characters. 00/2/6 OAD

				Downy				
Trial No	Cultivar	Rep No.	Color	Mildew Resist. ^b	Plant Diam.°	Head Diam. ^d	Head Weight ^e	
Trial 1:	SVR 6304:	Rep. 1	146A	I,lla,llb,	35.7±0.3	17.8±0.4	545±15.5	
Evaluated 2003 Vines A7	03	Rep. 2	146A	I,IIa,IIb, III,IV,V	36.2±0.4	17.8±0.4	522±15.7	
rullia, AZ		Average:	146A	I,IIa,IIb III,IV,V	36.0±0.4	17.8±0.4	534±15.6	
_	cv. Margarita:	Rep. 1 Rep. 2	146A 146A	Suscept. Suscept.	33.3±0.5 32.8±0.5	15.3±0.5 15.9±0.4	478±16.1 511±16.5	
		Average:	146A	Suscept.	33.1±0.5	15.6±0.5	495±16.3	
Trial 2:	SVR 6304:	Rep. 1	146A	l,11a,11b,	36.6±0.3	17.0±0.3	560±16.0	
Evaluated 10 June 2003		Rep. 2	146A	II,Ika,IIb, II,Ika,IIb, III,IV,V	36.1±0.4	17.6±0.4	539±15.8	
Saimas Valley, CA	5	Average:	146A	I,IIa,IIb III,IV,V	36.4±0.4	17.3±0.4	550±15.9	
	cv. Margarita:	Rep. 1 Rep. 2	146A 146A	Suscept. Suscept.	34.0±0.4 33.6±0.4	16.1±0.4 15.5±0.4	462±16.3 484±16.1	
		Average:	146A	Suscept.	33.8±0.4	15.8±0.4	473±16.2	

Range of variation among means of statistically significant differences at the 95% level using the confidence interval [CI = mean ± (SDXSE)]: SVR 6304 33.32 to 33.53 15.61 to 15.80 480.11 to 487.39 cv. Margarita

^a Color evaluation was done using the Royal Horticultural Society color chart, U.K.

Downy mildew survey reported as resistance to California Pathotypes I through V, using two replications each having 15 seedlings, grown in laboratory screens.

 $^{^{}c}$ Mean plant diameter using two sowing dates of 20 plants per replication in cm \pm standard deviation.

 $^{^{\}rm d}$ Mean head diameter using two sowing dates of 20 plants per replication in cm \pm standard deviation.

 $^{^{}m e}$ Mean head weight using two sowing dates of 20 plants per replication in grams \pm standard deviation.

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U. S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705 EXHIBIT C (Lettuce)

OBJECTIVE DESCRIPTION OF VARIETY

LETTUC	L (Lactuca sativa L.)
Note that the state of the stat	FOR OFFICIAL USE ONLY
— Seminis Vegetable Seeds, Inc.	PVPO NUMBER 200400250 p
2700 Camino del Sol Oxnard, CA 93030-7967	VARIETY NAME Pacheco
	EXPERIMENTAL DESIGNATION SUR 6304
Place the appropriate number that describes the varietal character in the boxes be or 9 or less. Measured data should be the mean of an appropriate number (at leable used to determine plant colors.	elow. Place a zero in the first box (eg. 0 9 9 or 0 9) when number is either 99 or less st 20) of well spaced plants. Royal Horticultural Society or any recognized color standard may
The location of the test area is: CALIFORNIA, ARIZON	JA Color System Used: ROYAL HORT. SOC.
SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK which are adapted to your area. One of the comparison varieties in	VARIETIES IN THIS APPLICATION: Use standard regional check varieties
Application Variety (a1.) SUR 6304	Most Similar Variety (c1.) MARGARITA
Standard Regional Check Variety (c2.) DARK GRE	-N BOSTON
1. PLANT TYPE: (See list of suggested check varieties page 4.)	
01= Cutting/Leaf 04= Cos or Romain 02= Butterhead 05= Great Lakes Gr 03= Bibb 06= Vanguard Grou	oup 08= Eastern (Ithaca) Group 11= OTHER (Specify below):
(a1.)	(c1.) O2 (c2.) 02
2. SEED:	
(a1.) COLOR (a1.) 2	LIGHT DORMANCY (a1.) HEAT DORMANCY 1= Light Required 1= Susceptible
(c1.) 2= Black (Grey Brown) (c1.) 3= Brown (Amber)	2= Light Not Required (c1.) 2= Not Susceptible
(c2.) (c2.) (c2.)	(c2.)
3. COTYLEDON TO FOURTH LEAF STAGE: NOTE: Provide optimal conditions.	e a color photograph or photocopy of the fourth leaf from 20 day old seedling grown under litions.
SHAPE OF COTYLEDONS: 1=Broad 2= Int	ermediate 3= Spatulate
(a1.) \[\]	(c1.) (c2.)

Cotyleddii to Fourth Leai Si			at a final and a second	. *			ville Sandi	Maria Carago de Santo. Carago de Arto en Servico
SHAPE OF FOURTH LEAD						1.55 - 4	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	n de la companya (1945) Tanàna dia kaominina dia k
		(a1.)	3	(c1.)	3	(c2.)	3	
<u>andre i de de la companya de la com</u>		a z i	the second of the		1		1	
		100 (100 (100 (100 (100 (100 (100 (100						Jan Jan
	en en ekke Gran en en en en en en en Gran en				٠.			garner Meder Anna Santa Anna Anna Anna
1.	2.		3.		4.	•	5.	6.
LENGTH/WIDTH INDEX	OF FOURTH LE	AF: L/X	V = 10					
					1441			
No amateria. Periodo		(a1.)	116	(c1.)	14	(c2.)	13	
APICAL MARGIN:	1= Entire		4= Moderately		7= Lob			
	2= Crenate/Gnav 3= Finely Dentat		5= Coarsely De 6= Incised	ntate	8= OTI	IER (Spe	cify below):	
en e	randrinak da ili. Majarak haliber	(a1.)		(a1.)		(-2)		uran ya kaninsa 30
		(a1.)		(c1.)	L	(c2.)	Ш	en e
BASAL MARGIN:	se the options for A	ipical M	argin above)	•				
•								
	•	(a1.)	4	(c1.)	4	(c2.)	141	
UNDULATION:	1= Flat		2= Slight		2-15-3			-3.r. 1 -d
	1—Tiat				3= Med	num	4 =	= Marked
		(a1.)		(c1.)		(c2.)		
GREEN COLOR:	1=Yellow Green	1 1	3= Mediun		5= Blue	Green	7:	= Grey Green
	2= Light green	· į	4= Dark G	and the second s	6= Silv	er Green		
e e e e e e e e e e e e e e e e e e e	4	(a1.)	4	(c1.)	4	(c2.)	3	
					*			
ANTHOCYANIN:		,, .,	rondinskir. Troppaleo:	7 USH M				
DISTRIBUTION:	1= Absent 2= Margin Only		3= Spotted 4= Throughout		5= OTI	IER (Spe	ecify below):	
		(a1.)		(c1.)		(c2.)		
CONCENTRATION:	1= Light	99222444444444444444444444444444444444	2= Moderate	* }-4-4-4-4-1-4-1-4-4-4-4-4-4-4-4-4-4-4-4-	3= Inte	nse	**************************************	700141000001197944600vuuulyeefy
		(a1.)		(c1.)		(c2.)		

	Cotyledon to Fourth Lea	of Stage (Continued)			
	ROLLING:	1= Absent	2= Present		
		(a1.)	(c1.	(c2.)	er e e jesterija.
	CUPPING:	1= Uncupped	2= Slight	3= Markedly	
		(a1.)	(c1	(c2.)	
	REFLEXING:	1= None	2= Apical Margin	3= Lateral Marg	ins
		(a1.)	(c1	.) [[(c2.)	
1.	MATURE LEAVES (Ob	serve Harvest-Mature Outer Leaves)	NOTE: Provide color phot	o of a harvest-mature leaf which	a accurately shows color and margin
	MARGIN:		characteristics.		
	INCISION DEPTH (deepest penetration of the margin)	: 1=Absent/Shallow (Dark 3= Deep (Great Lakes 65		2= Moderate (Vanguard)	i i i i i i i i i i i i i i i i i i i
	,	(a1.)	(c1	.) [i] (c2.)	
	INDENTATION: (finest divisions of the margin)	1= Entire (Dark Green B 2= Shallowly Dentate (C 3= Deeply Dentate (Green	reat Lakes 65)	4= Crenate (Vanguard) 5= OTHER (Specify): _	
		(a1.)	(c1	.) [(c2.)	
	UNDULATIONS C APICAL MARGIN		Dark Green Boston) akes 659)	2= Moderate (Vanguard	
		(a1.)	(c1	(c2.)	
	GREEN COLOR:	1=Very Light Greet 2= Light green (Mi		Green (Great Lakes) een (Vanguard) 6= 07	5= Very Dark Green [THER (Specify):
		(a1.)	4 (c	i.) 4 (c2.)	3
	ANTHOCYANIN:				
	DISTRIBUTION:	1=Absent 2= Margin Only (Big B			THER (Specify below):
		(a1.)	[] (c	1.) (c2.)	
	CONCENTRATIO	ON: i=Light (Iceberg)	2= Moderate (Prize l	Head) 3= Intense (Ru	by)
		(a1.)	(c	1.) [-] (c2.)	

Exhibit C (Lettuce) Page 4 of 8 Mature Leaves (Continued) SIZE: 1=Small 2= Medium 3= Large (a1.) (c1.)(c2.)GLOSSINESS: 1=Dull (Vanguard) 2= Moderate (Salinas) 3= Glossy (Great Lakes) (a1.) (c1.)ا ۾ ا (c2.)BLISTERING: 1= Absent/Slight 2=Moderate 3=Strong (Salinas) (Vanguard) (Prize Head) (a1.) (c1.)LEAF THICKNESS: 1=Thin 2= Intermediate 3= Thick (a1.) 2 (c1.)(c2.)2 TRICHOMES: 1= Absent (Smooth) 2= Present (Spiny) (a1.) (c1.)(c2.) PLANT SPREAD OF FRAME LEAVES: (a1.) (c1.) HEAD DIAMETER: (market trimmed with single cap leaf) (a1.) (c1.)(c2.)**HEAD SHAPE:** 1=Flattened 3= Spherical 5= Non-Heading 2= Slightly Flattened 4= Elongate 6= OTHER (Specify): (a1.) (c1.) (c2.)**HEAD SIZE CLASS:** 1=Small 2= Medium 3= Large (a1.) 2 97 NOT (c1) (c2.)2 HEAD PER CARTON: (c2.)HEAD WEIGHT: (a1.) (c2.)

HEAD FIRMNESS: 1=Loose 2=Moderate 3=Firm 4=Very Firm

(a1.) 3

(c1.)

(c2.)

5.	BUTT			· · · · · · · · · · · · · · · · · · ·				LIMINORE	y I LOSS HOLD I ME C L	<u> </u>
	SHAPE:	1= Slightly Concave		2= Flat		3= R	ounded			*
			(a1.)	3	(c1.)	3	(c2.)	3		i ett.
	MIDRIB:	1=Flattened (Salinas)	2= Moderately R	aised	3= P:	rominently I	Raised (G	reat Lakes 659)	
			(a1.)	a	(c1.)	2	(c2.)	2		
7.	CORE	·				:				
	DIAMETER AT BASE	OF HEAD:							**	•
			(a1.)	32mm	(c1.)	3	4mm	(c2.)	35mm	
	RATIO OF HEAD DIA	METER/CORE DIAI	METER	•			<u>. </u>	***		
			(a1.)	53	(c1.)) [44	(c2.)	43	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	CORE HEIGHT FROM	1 BASE OF HEAD T	O APEX	:	· · · · · · · · · · · · · · · · · · ·					
	ý		(a1.)	63mm	(c1.	1	mm	(c2.)	6 8 mm	ue f
8.	BOLTING (Give First Wat	er Date: <u>28 APRIL</u>	03) NO	OTE: First Water Da	ite is the date	seed first r	cceives adequa	te moisture	to germinate. This ca	n and
	MIMDED OF DAVE F	DOM ETBOTT TVATES	n in Alige	often does eq	•		(414°	۸.	-
	NUMBER OF DAYS F	ROWIFIRST WATE		TO SELUSIAL	-		(summer c		99. 1 75da	
	·		(a1.)	<u>[G5]</u>	(c1.) [_	56	(c2.)	158	
	BOLTING CLASS:	1= Very Slow 2= Slow		3= Medium 4= Rapid		5= 7	Very Rapid			
			(a1.)	3	(c1.)	3	(c2.)	3		
	HEIGHT OF MATUR	E SEED STALK:							No. 10 Percentage	
		Server with the Color of Server (Server) Recognition (Server (Server)) (Server (Server)) (Server (Server)) (Server) (Se	(a1.)	87 cı	n (c1	·) [790	m (c2.)	75c	m í
	SPREAD OF BOLTER	R PLANT: (at widest)	point)		·	<u> </u>			· · · · · · · · · · · · · · · · · · ·	
			(a1.)	34cm	(c1) 2	5 cm	(c2.)	36 cm	
	BOLTER LEAVES:	1= Straight		2= Curved				· · · · · · · · · · · · · · · · · · ·		
			(a1.)		(c1.)		(c2.)	1		
	MARGIN:	1= Entire	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2= Dentate	** **********************************			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		••••••
		•	(a1.)		(c1.)		(c2.)			

8. Bolting (Continued)			
COLOR:	1= Light Green	2= Medium Green	3= Dark Green
	(a1.)	(c1.) 3 (c2.) A	
BOLTER HABIT:			
TERMINAL INFLORESCENCE:	1= Absent	2= Present	
	(a1.) 2	(c1.) (a) (c2.) (c2.)	
***************************************	(42.7) [<u>#</u>]	(CL) [2]	
LATERAL SHOOTS:	1= Absent	2= Present	***************************************
	(a1.)	(c1.) [(c2.) [
BASAL SIDE SHOOTS:	1= Absent	2= Present	***************************************
	(a1.)	(c1.) (c2.) [
9. MATURITY (earliness of harvest-mature head for			
NOTE: Complete this section for	at least one season.		
		·	•
SEASON APPLICATION VARIETY no. of days	MOST SIMILAR VARIETY no. of days	STANDARD REGIONAL CHECK VARIETY	•
Spring 5 5	TETO	no. of days ¹	
1 _ 	5 5	5 5	
Fall	A 6	5 0	
Winter 5 8	1717	5 2	en e
^			
Give planting date(s) and location(s):	•		
10° spring: 04 Feb. 03	Salinas.	CA	•
Summer: 7 ARR 03 SA	LINIAC CA		
Fall: 12 Aug. 03	Santa	20 0 C M	
11 12 × 0 0 × 1 × 1	Janta	naria, CA	<u> </u>
Winter: 11 NOV OZ 1 UM	IA, HZ	A Committee of the second	
1. First Water Date to Harvest	41) 	•	
10. ADAPTATION:			A HONOR DESCRIPTION OF THE PROPERTY OF THE PRO
PRIMARY REGIONS OF ADAPTATION	ON (tested and proven adapted):	(0= Not Tested 1= Not Adapted	2= Adapted)
Southwest (CA and/or AZ desert)	West Coast	Northeast	
O North-central	Southeast	OTHER (Specif	y):
	1 0000000000000		
SEASON:	######################################		
2 Spring (Area CALIFORN	JIA ARIZONATAT	Fall (Area CALIFORN	ALOSISA. A.
2 Summer (Area CALI FOR N	A ARIZONA 2	Fall (Area CAL FORN) Winter (Area CAL FORN)	L. ARIZONA)
	, , , , , , , , , , , , , , , , , , , ,	-	
			•
GREENHOUSE: 0= Not Tes	sted 1= Not Ada	apted 2= Adapted	***************************************
SOIL TYPE: 1= Mineral	2= Organic	3= Both	***************************************
	- 0.154110		

11.	VIRAL DISEASES 1= Immune 3= Resistant 5= Modera	tely Resista	ant/Moderately Suscep	otible 7= Su	sceptible	9= Highly	Susceptible
-	Big Vein	(a1.)		(c1.)		(c2.)	
	Lettuce Mosaic	(a1.)		(c1.)		(c2.)	1 44 - 44 - 4
	Cucumber Mosaic	(a1.)		(c1.)		(c2.)	
	Tomato Bushy Stunt, cause of dieback	(a1.)		(c1.)	,,, .	(c2.)	
	Turnip Mosaic	(a1.)		(c1.)		(c2.)	
	Beet Western Yellows	(a1.)		(c1.)		(c2.)	
	Lettuce Infectious Yellows	(a1.)		(c1.)		(c2.)	
	OTHER (Specify):	(a1.)		(c1.)		(c2.)	
12.		itely Resist	tant/Moderately Susce	ptible 7= Sı	usceptible	9= Highly	y Susceptible
	Corky Root Rot	(a1.)	- ₹7	(c1.)	T i .	(c2.)	
٠,٨	(Races:)		12 9/2/06.	` ' L	J		
THY	Downy Mildew	(a1.)	3 al	(c1.)	1	(c2.)	7
12/0	(Races: CAI, IIa, Tb, TI JAV)		<u></u>	` ' !	<u></u>		
1	Powdery Mildew	(a1.)		(c1.)		(c2.)	
	Sclerotinia Drop	(a1.)		(c1.)		(c2.)	
-	Bacterial Soft Rot (Pseudomonas spp. and others)	(a1.)		(c1.)		(c2.)	·
	Botrytis (Grey Mold)	(a1.)		(c1.)		(c2.)	
	Verticillium Wilt	(a1.)		(c1.)		(c2.)	
	Bacterial Leaf Spot	(a1.)		(c1.)		(c2.)	
	Anthracnose	(a1.)		(c1.)		(c2.	
	OTHER (Specify):	(a1.)		(c1.)		(c2.)	
13.	INSECTS 1= Immune 3= Resistant 5= Moder	ately Resis	stant/Moderately Susc	eptible 7= S	usceptible	9= High	ly Susceptible
	Cabbage Loopers	(a1.)		(c1.)		(c2.)	1 4 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Root Aphids	(a1.)		(c1.)		(c2.)	
	Green Peach Aphid	(a1.)		(c1.)		(c2.)	
	Lettuce Aphid	(a1.)		(c1.)		(c2.)	
	Pea Leafminer	(a1.)		(c1.)		(c2.)	
	OTHER (Specify):	(a1.)		(c1.)		(c2.)	
14.	PHYSIOLOGICAL STRESSES 1= Immume 3= Resistant 5= Mode	rately Resis	istant/Moderately Susc	eptible 7= S	Susceptible	9= High	ıly Susceptible
	Tipburn	(a1.)	5	(c1.)	5	(c2.)	7 2 2 2 6 6 6 7
•	Heat	(a1.)		(c1.)	7	(c2.)	「
	Drought	(a1.)		(c1.)		(c2.)	96 d. 196 (1973) 18
	Cold to the species of a supplication	(a1.)		(c1.)		(c2.)	
	Salt	(a1.)		(c1.)		(c2.)	
	Brown Rib (Rib Discoloration, Rib Blight)	(a1.)		(c1.)		(c2.)	
	OTHER (Specify):	(a1.)		(c1.)		(c2.)	

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				Exhibit C (Lettace) Page 8 01 8
15.	POSTHARVEST STRESS 1= Immune 3= Resistant 5= M	Ioderately Resistant/Mod	erately Susceptible 7= Susceptible	9= Highly Susceptible
	Pink Rib	(a1.)	(c1.)	(c2.)
	Russet Spotting	(a1.)	(c1.)	(c2.)
	Rusty Brown Discoloration	(a1.)	⊢	
	Internal Rib Necrosis	` ' 🗀	(c1.)	(c2.)
	(Blackheart, Grey Rib, Grey Streak)	(a1.)	(c1.)	(c2.)
	Brown Stain	(a1.)	(c1.)	(c2.)
6.	BIOCHEMICAL OR ELECTROPHO	RETIC MARKERS		
				and the control of th
	en e	er en	en de la composition de la composition La composition de la	en de la companya de La companya de la co
	ing sa managan ng mga mga mga mga mga mga mga mga mga mg	Artist Committee	toyan was ji sa sa mba .	orali orași de la salaturi de la serie de la companie de la companie de la companie de la companie de la compa La companie de la co
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			a = 0	
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17.	COMMENTS			
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				and the second of the second o
				And the second s
		Suggested C	heck Varieties	
į.	Cutting/Leaf TYPE	ng panggan ang man	Waldmann's Green	CK VARIETY
2 3	Butterfiead Bibb		Dark Green Boston	
4	Cos or Romaine Great Lakes Group		Bibb Parris Island	
5	Vanguard Group Salinas Group		Great Lakes 659-700 Vanguard	en e
Ś	Eastern Group	The state of the s	Salinas Ithaca	
10	Stem Latin		Celtuce Little Gem	
			_07 HGP 70.	
		Dirikin	RENCES	
Bov	vring, J.D.C., 1969, "The Identification			
Agr	vring, J.D.C., 1969. "The Identification icultural Botany 11:499-520. National l	Institute of Agricultural	Botany, Cambridge, UK	the National Institute of
Dav	is, R.M., K.V. Subbarao, R.N. Raid, an	d E.A. Kurtz., 1997. "C	ompedium of Lettuce Diseases".	APS Press. St. Paul. MN
Mic	chelmore, R. W., J. M. Norwood, D. S. I match resistance factors 3, 4, 5, 6, 8, 9, 1	norem T R Crute and	D Nicheleen 1004 The imbenites	and the state of t
	wood, J. M., R. W. Michelmore, I. R. (wny mildew) to match R-factors 1, 2, 4			
Roc	lenburg, C.M., et al., 1960, "Varieties o	f Lettuce An Internatio	<i>auca sanva)"</i> , Piant Pathology 32 nal Monograph," Instituut voor	e:170-177. de Verdeling yan
	government (1. 1), wasciningen, 14	L		
٠, ٠	ler, E.J., 1999. "Lettuce, Endive and Cl	ncory". CABI Publication	ons, Wallingford, UK	
			The state of the s	



Fourth leaf from 20-day old seedlings, SVR 6304



Harvest -mature leaf, SVR 6304

LLO DEDARTMENT OF ACROMULTURE	II reproductions.	FORM APPROVED - OMB No. 0581-0055
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to de certificate is to be issued (7 U.S.C. confidential until the certificate is issued.	
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
Seminis Vegetable Seeds, Inc.	OR EXPERIMENTAL NUMBER PS 06516304	Pacheco
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
2700 Camino del Sol	(805) 647-1572	(805) 918-2545
Oxnard, CA 93030-7967	7. PVPO NUMBER	
	200	400250
8. Does the applicant own all rights to the variety? Mark an "X" in t		olain. YES NO
9. Is the applicant (individual or company) a U.S. national or a U.S.	based company? If no, give name of	country. YES NO
		·
0. Is the applicant the original owner? YES	NO If no, please answer on	e of the following:
a. If the original rights to variety were owned by individual(s), is YES	(are) the original owner(s) a U.S. Nation NO If no, give name of cou	and the second of the second o
b. If the original rights to variety were owned by a company(ies YES	s), is (are) the original owner(s) a U.S. t	
YES	NO If no, give name of cour	ntry
YES	NO If no, give name of cour ninal breeder to current owner. Use the ninis Vegetable Seeds, Inc., employee Vegetable Seeds, Inc. are assigned to	e reverse for extra space if needed): (breeder) named below. Unless of the Company by agreement or by
The variety named in this application was developed by the Sen otherwise stated, all rights to the varieties developed by Seminis operation of law. No rights to such invention, discovery or developed (Breeder): Bill Waycott Site Location: Arroyo Grande, CA	NO If no, give name of cour ninal breeder to current owner. Use the ninis Vegetable Seeds, Inc., employee Vegetable Seeds, Inc. are assigned to	e reverse for extra space if needed): (breeder) named below. Unless of the Company by agreement or by
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The variety named in this application was developed by the Sen otherwise stated, all rights to the varieties developed by Seminis operation of law. No rights to such invention, discovery or developed (Breeder): Bill Waycott	NO If no, give name of cour ginal breeder to current owner. Use the minis Vegetable Seeds, Inc., employees Vegetable Seeds, Inc. are assigned to elopment are retained by the employees the seeds, who meet the following criteria: person must be a U.S. national, national	the reverse for extra space if needed): (breeder) named below. Unless the Company by agreement or by e(s).
The variety named in this application was developed by the Sen otherwise stated, all rights to the varieties developed by Seminis operation of law. No rights to such invention, discovery or developed (Breeder): Bill Waycott Site Location: Arroyo Grande, CA PLEASE NOTE: Plant variety protection can only be afforded to the owners (not licer 1. If the rights to the variety are owned by the original breeder, that	NO If no, give name of cour ginal breeder to current owner. Use the minis Vegetable Seeds, Inc., employee a Vegetable Seeds, Inc. are assigned to elopment are retained by the employee present which is the seeds of the U.S. national, national of the U.S. for the same genus and specified the original breeder(s), the comparison of the U.S. the comparison of the original breeder(s), the comparison of the original breeder(s), the comparison of the original breeder(s), the comparison of the unique of the original breeder(s), the comparison of the unique of the original breeder(s), the comparison of the unique of the original breeder(s), the comparison of the unique of the original breeder(s), the comparison of the unique of the original breeder(s), the comparison of the unique of t	the reverse for extra space if needed): (breeder) named below. Unless the Company by agreement or by ex(s). all of a UPOV member country, or excises. any must be U.S. based, owned by
The variety named in this application was developed by the Sen otherwise stated, all rights to the varieties developed by Seminis operation of law. No rights to such invention, discovery or developed (Breeder): Bill Waycott Site Location: Arroyo Grande, CA PLEASE NOTE: Plant variety protection can only be afforded to the owners (not licer in the rights to the variety are owned by the original breeder, that national of a country which affords similar protection to nationals If the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the company which employed in the rights to the variety are owned by the c	NO If no, give name of cour ginal breeder to current owner. Use the minis Vegetable Seeds, Inc., employee is Vegetable Seeds, Inc. are assigned to elopment are retained by the employee person must be a U.S. national, national of the U.S. for the same genus and specific productions of the original breeder(s), the company country which affords similar protections.	c reverse for extra space if needed): (breeder) named below. Unless the Company by agreement or by exists. all of a UPOV member country, or exists. any must be U.S. based, owned by in to nationals of the U.S. for the same

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